

Date: Thu, 25 Aug 94 04:30:18 PDT  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V94 #284  
To: Ham-Digital

Ham-Digital Digest                      Thu, 25 Aug 94                      Volume 94 : Issue    284

Today's Topics:

                                Clover  
          Help.. I want to start in digital!  
          HF Packet (Mac vs PC)  
          How do I get IP address?  
          HP100LX + Baycomm = Success? (2 msgs)  
          MFJ 1278 - looking for software  
          Motorola HT's WANTED!!!!  
          Packet Cluster on HF  
          What happened to k2cc.ampr.org?  
          Which DSP kit to buy?

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 24 Aug 1994 01:52:07 GMT  
From: ihnp4.ucsd.edu!pacbell.com!well!barrnet.net!agate!darkstar.UCSC.EDU!  
news.hal.COM!olivea!charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!  
n7fzy@network.ucsd.edu  
Subject: Clover  
To: ham-digital@ucsd.edu

In article <3387vm\$6sk@golden.ncw.net>, pbriggs@golden.ncw.net (Patrick Briggs)  
writes:

> Any Clover users around?  
>  
> -----  
> Patrick R. Briggs

> pbriggs@golden.ncw.net

I'm running a Clover port on my BBS. This is on the Civil Air Patrol Digital Network.

Our National Clover Network consists of 22 Clover equipped BBS, all operating on 7.920MHz.

How well does it work? After using it for six months, I think it is one of the slickest things I've ever used. We pass traffic overnite that used to queue for days or weeks waiting for a good opening on the same channel. It works better than HF packet, AMTOR, PACTOR, and as far as I can see, better than G-TOR.

Dave Whitlock  
n7fzy@netcom.com  
PAC044@NHQ181.CAWG.PAC.CAP.GOV

-----  
Date: Wed, 24 Aug 1994 13:30:48 GMT  
From: news.cerf.net!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!  
elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!  
library.ucla.edu!csulb.edu!csus.edu!@ihnp4.ucsd.edu  
Subject: Help.. I want to start in digital!  
To: ham-digital@ucsd.edu

parickj4560@cobra.uni.edu wrote:

: Hello fello hams!

:

: I have a Macintosh Se along with a Yaesu Ft 301AD (1978) I think. I  
: have about zero knowledge about digital HF'in or digital modes at that.

: The radio has a FSK setting but I don't know if this matters....

: I would like to try digital communications but I don't know what sort of tnc or  
: equipment I need. I plan on going HF digital first because I have to 2m gear  
: (yet). So if anyone out there could help me in descisions and give me a quick  
: rundown of the most popular modes... I would apreciate it! Prices would help  
: too! thanks es 73's de N0ZYA -jmp- Waterloo,Iowa

There's a good article in QST regarding exactly what you are asking about, this month. Look at the AEA PK-232, the Kantronics KAM, to start; these are far and away the most popular TNCs.

Except for the TNC, which isn't all that expensive, you have everything you need to get going! Digital is great!!

rogjd@netcom.com  
Glendale, CA  
AB6WR

-----  
Date: 24 Aug 94 19:03:19 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: HF Packet (Mac vs PC)  
To: ham-digital@ucsd.edu

> In article <ZIELKE.94Aug22185246@sherlock-hemlock.muppets>,  
zielke@sherlock-hemlock.muppets (David Zielke) writes:  
> |> I am in the process of examining the possibilities of using HF packet to  
> |> provide communication between my sailboat while at sea and land based  
e-mail  
> |> connections. I have been a ham since the late 70's and have been inactive  
> |> for some time. Suggestions of what kind of gear (HF rig, TNC, computer)  
> |> would be very helpful. I will most likely be loading the backstay as an  
> |> antenna.  
>  
> Plan to use amtor, pactor, clover, gtor, or clover.  
> Packet on HF is not actually very useful.  
> CLOVER is best, with the other protocols working well also.  
>  
> |> Also, I am trying to decide between Intel based PC's and the Mac portables  
> |> (something like a 540 active monochrome in the mac line or a 486 33mhz  
> |> laptop in the intel world).  
>  
> DOS/Windows Laptop. MUCH software available for it, minimal software  
> available for any other computer.  
>  
> If you end up using CLOVER, I'll see you on HF ...  
>  
> ... Hank

"...MUCH software available for it..." but what about the difference between  
Quality and Quantity? Just how many word processors, terminal programs,  
spreadsheets, etc, is enough? Sometimes more choice means more choice among  
better products, but not in this case. The best PC/Windows software are  
ports from the Macintosh. I recommend you choose a Macintosh, I did 5 years  
ago and love it.

Unless there is some reason you CAN NOT use a Macintosh, a Macintosh will  
never bother you about video drivers, video modes, mouse drivers, "real"

mode, AUTOEXEC.BAT, CONFIG.SYS, Extended Memory vs. Expanded Memory, memory managers, HIDOS, IRQ conflicts, CD-ROM drivers & cards, sound cards, and the magical 640k limit.

You would not want a Macintosh if there is one particular software package you need to/have to/want to run. One of the things I do at work is write software for embedded 68HC11 based systems, on this Macintosh. The editing and compiling environment on the Mac is the best that can be found anywhere. I use the same Mac to draw the embedded system's schematics, layout and autoroute PCB's, parts lists, documentation, everything except in-circuit emulation. The Nohau emulator is hosted on a PC, as is my EPROM programmer.

Additionally, (at least with the Powerbook 180) the accessory video port may drive either a second monitor, or a copy of the LCD. The difference is when you have a second monitor, both the LCD and monitor are running at the same time and your "desktop" is expanded to the sum of the 2. The mouse slides right off one onto the other. If you want to see a big drawing, just stretch it across both monitors, the Mac's operating system will take care of it, the application doesn't have to know. PC's can not begin to do this. Macs support up to 6 monitors at once. I'm using a 21" 24-bit monitor, a 19" 1-bit monitor, and a 14" 16-bit monitor on a Macintosh IIVx. No video drivers. No jumpers. No hassle.

On the other hand, Unix is often chastised for being obscure, complex, and difficult to maintain while I've found Unix to be much easier to maintain than PC's, MS-DOS, and Windows. And a PC running Unix presents the worst of both worlds. Rarely does a Mac run Unix, but it can, and DOS also, at the same time.

73, David Kelly, N4HHE  
dkelly@nebula.tbe.com

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Date: Wed, 24 Aug 1994 09:49:20  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!boulder!csn!col.hp.com!sdd.hp.com!usc!  
howland.reston.ans.net!EU.net!ub4b!idefix.CS.kuleuven.ac.be!rc1.vub.ac.be!artipc2!  
dany@network.ucsd.edu  
Subject: How do I get IP address?  
To: ham-digital@ucsd.edu

Does anyone know how I can get an IP number (for tcp/ip over packet) in Belgium? Can I send an E-mail to someone, or ...  
I've seen the callsign of the guy who is responsible somewhere, but what should I do if I have it ->(how do I get a message to him?)

Thanks in advance.

dany@arti.vub.ac.be

-----  
Date: Wed, 24 Aug 1994 13:46:42 GMT  
From: hearst.acc.Virginia.EDU!cabell.vcu.edu!jwill@uunet.uu.net  
Subject: HP100LX + Baycomm = Success?  
To: ham-digital@ucsd.edu

Has anyone had any success using a Baycom type modem with the HP 100LX palmtop? Before I go out and mess with it, it would be good to know if it is possible or not. The Hamcom interface I built wouldn't work with the 100LX serial port, and so I am now skeptical and would like some reassurance before I invest in the parts to build an interface for Baycom.

Robert S. Williams, MD  
KD4ZPH

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Date: Wed, 24 Aug 94 11:14:35 MDT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swrinde!elroy.jpl.nasa.gov!  
netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!mustang.mst6.lanl.gov!  
newshost.lanl.gov!usenet@network.ucsd.edu  
Subject: HP100LX + Baycomm = Success?  
To: ham-digital@ucsd.edu

Just go buy a KPC-3 works good tastes great.  
Seriously I used to use a Baycom from Tigertronics.  
It is a memory hog and likes power. I don't think the added cube of the KPC-3 is enough to warrant the hassle of the Baycom. The KPC-3 runs forever on a lithium 9V battery. My mobile com program is a freeware item called pax. The only real advantage of the Baycom and associated software is the lower box which shows all packets received so you can sniff the call of a local BBS when in a new area. You can do this with 'passall' and 'trace' with other modems. Pacom also makes a pocket sized modem with a nicad internal however I have spent a great deal of time trying to get there stuff to work and am not yet impressed. Hope this helps. When you get on packet de  
KC5EGG@WB2ARS.nm.usa.noam

Date: 24 Aug 1994 19:41:37 GMT  
From: news.sprintlink.net!indirect.com!usenet@uunet.uu.net  
Subject: MFJ 1278 - looking for software  
To: ham-digital@ucsd.edu

In article <32126.heis1633@mailszrz.zrz.tu-berlin.de>, heis1633@mailszrz.zrz.TU-Berlin.DE (Wolfgang Heise) says:

>  
>Hi and tnx reading this,  
>I am using an tnc 1278 from MFJ for some days by controlling the excellent  
>xp-terminal. I works well, but I would like to try some other software  
>especially for fax and sstv too. Is there someone who can give me hint where  
>I can find it i would be pleased.  
>tnx in advance es 73 de Wolfgang (DL7VWH)  
>  
>  
>Technische Universitaet Berlin :-%  
>Institut fuer Bergbauwissenschaften, Sekr. BH 3 :/i  
>Str. des 17. Juni 135, 10623 Berlin, Germany  
>Wolfgang Heise - VOICE: ##49-30-31425672 - FAX: ..-31426797  
>possible on hamradio/packetradio too by DL7VWH@db0gr.bln.deu.eu

I have looked around quite a bit and about the only software that I have found that supports the FAX and SSTV modes for the MFJ1278 is MFJ's multicom program.

\*\*\*\*\*  
Gary L. Johnson KF7XP \* 702 S. Ashbrook  
gjohnson@indirect.com \* Mesa, Arizona 85205  
CIS : 74041,2317 \* (602) 833-6997 Voice  
XPCOM / XPDUAL / XPKAM \* (602) 898-1058 BBS 2400->14400  
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Date: Tue, 23 Aug 94 18:19:00 -0800  
From: ihnp4.ucsd.edu!news.cerf.net!nntp-server.caltech.edu!news.claremont.edu!  
kaiwan.com!ledge!darryl.linkow@network.ucsd.edu  
Subject: Motorola HT's WANTED!!!!  
To: ham-digital@ucsd.edu

8/23/94

Hello all! I am in IMMEDIATE NEED of some Motorola walkie-talkies. I am looking for either Motorola HT-600, MT-1000, or Motorola Radius P200 units. They must be 5 Watt



Date: 24 Aug 1994 13:03:00 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!noc.near.net!  
chaos.dac.neu.edu!not-for-mail@network.ucsd.edu  
Subject: What happened to k2cc.ampr.org?  
To: ham-digital@ucsd.edu

I've been trying to telnet/ping them for about a week now, but no response.

Anyone know what's going on with them?

Thanks.

--

Scott Ehrlich, Amateur Radio Callsign: wy1z wy1z@ka2jxi.ny [AX.25 Packet]  
E-mail addresses: wy1z@neu.edu [Internet], wy1z@walphy.ampr.org [TCP/IP Packet]  
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio  
Boston ARC Web page: <http://www.acs.oakland.edu/barc.html>

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Date: Wed, 24 Aug 1994 12:59:39 -0400  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!ceylon!  
news2.near.net!das-news.harvard.edu!casaba.srv.cs.cmu.edu!bb3.andrew.cmu.edu!  
andrew.cmu.edu!ee2g+@network.ucsd.  
Subject: Which DSP kit to buy?  
To: ham-digital@ucsd.edu

Hi all!

I was just looking through my EETimes rag and came accross an as  
from TI. In it was an offer for the TI DSP starter Kit. It has a  
TMS320 DSP on it. Is this a good (i.e. complete w/t d to a and a to d  
and amps) kit for voice filtering and Frequency displays?

Thanks  
Chuck N3QAT

Eleen N. Kamas  
kamas+@cmu.edu

-----  
Date: 24 Aug 1994 11:50:11 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!EU.net!sunic!news.tele.fi!  
news.csc.fi!nokia.fi!pevy@network.ucsd.edu  
To: ham-digital@ucsd.edu



References <32ga9m\$f1n@usenet.INS.CWRU.Edu>, <CuI59B.K1u@eskimo.com>,  
<tcjCuvJMG.Kyu@netcom.com>.fi  
Subject : Re: Winsock packet driver?

Todd Jonz (tcj@netcom.com) wrote:

> Bob Donnell, KD7NM (rdonnell@eskimo.com) writes:

> > There are folks who are working on writing a packet driver to go  
> > between Windows TCP/IP applications (Winsock or FTP's PACKET driver  
> > interface) and a KISS-capable TNC.

> Eureka! I've been anxiously waiting for someone to take this one on. Can  
> you tell us more, Bob?

> Todd, KB6JXT

Have a look at 'ethrax25.zip' at 'ftp.ucsd.edu'  
in '/hamradio/packet/tcpip/incoming'

This looks like it is what you want.

Andy Pevy G4XYW.

-----  
Date: Wed, 24 Aug 1994 01:52:02 GMT  
From: korie!cs.utexas.edu!howland.reston.ans.net!europa.eng.gtefsd.com!  
uhog.mit.edu!news.kei.com!eff!news.duke.edu!solaris.cc.vt.edu!swiss.ans.net!  
malgudi.oar.net!utnetw.utoledo.edu!uoft02  
To: ham-digital@ucsd.edu

References <32b56i\$ot5@Tut.MsState.Edu>, <32d90d\$2gg@vixen.cso.ui,  
<3306v8\$jbi@vixen.cso.uiuc.edu>,<1994Aug20.143652.9960@ke4zv.atl.ga.us>.edu  
Reply-To : pouelle@uoft02.utoledo.edu  
Subject : Re: Looking for DXCluster software

In article <1994Aug20.143652.9960@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary  
Coffman) writes:

>In article <3306v8\$jbi@vixen.cso.uiuc.edu> k9cw@prairienet.org (Andrew B. White)  
writes:

>>While I agree with you that PC use of AX.25 is not the best for distributing  
>>spots, it is, currently, the only game in town.

>

>Note that broadcast servers use AX.25 too, just UI frames instead of  
>connected mode frames. The FCC has us locked into AX.25 wrappers for  
>unattended third party use.  
>  
>>AK1A has something like  
>>400 nodes installed around the world, and they all talk to each other (altho  
>>the email facility comes close to being useless if the mail has to go more  
>>than one hop). Besides, if the network is configured as it should be,  
>>with local users on one frequency and the inter-node link on another, I  
>>am not sure that the amount of bandwidth required is an issue.  
>  
>While splitting the users off the backbone is essential to making the  
>systems work well at all, it *\*does\** increase the amount of bandwidth  
>the systems tie up. The real problem is that connected mode bulletin  
>distribution uses nearly 26 times the channel capacity of a broadcast  
>server. That means in practice, at our current low channel speeds, that  
>channels have to be *\*dedicated\** to Packet Cluster activity rather than  
>being timeshared with other packet uses. That's bad spectrum utilization.  
>  
>Of course faster channel speeds can help, and I note with approval  
>that Packet Clusters seem to be among the first to embrace faster  
>channel speeds (out of necessity), first jumping to 2400 baud and  
>now going to 9600 baud. But that's only a less than 2 and less than  
>9 increase in channel capacity respectively at best (actually much  
>worse than that on a simplex frequency due to turnaround and overhead  
>delays). But a simple change to a broadcast protocol would *\*immediately\**  
>give a nearly 26 fold increase in available channel capacity. Since it's  
>*\*only software\** (heh), the change could be relatively quick and painless  
>too.  
>  
>Note, broadcast use would free up channels only by allowing more  
>than 26 stations per cluster. The channel would still have to be  
>dedicated to the broadcast server. But the server could also serve  
>more than just DX spots with the excess channel capacity. It could  
>also distribute other types of bulletins and files in it's idle  
>time.  
>  
>I don't think most connected mode servers are a good use of packet  
>resources any longer. Broadcast servers are so much more efficient  
>that Cluster *\*and\** BBSs should change over as rapidly as practical.  
>There remain some cases where connected mode works best, like serving  
>low density WANs that need digis to get coverage. For higher density  
>areas, however, the broadcast server is very much superior for most  
>uses. (Personal Email may remain an exception.) Perhaps we need to  
>think about making broadcast the bulletin and file distribution default,  
>and connected mode the exception, in future server designs.  
>  
>Gary

>--

>Gary Coffman KE4ZV		You make it,	gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems		we break it.	uunet!rsiatl!ke4zv!gary
>534 Shannon Way		Guaranteed!	emory!kd4nc!ke4zv!gary
>Lawrenceville, GA 30244			gary@ke4zv.atl.ga.us

Gary,

We may have to watch the term broadcasting. The FCC takes a dim view of broadcasting in amateur freqs. Now don't get yourself all bent out of shape - and don't go grabbing your Part 97 and flaming me with quotes from the current regulations. I am just pointing out that while the broadcast model uses the frequency more efficently, the FCC may not like the hoards of HAMs using it without special permission. I personally could do without the FCC knocking on my door with a NAL.

I suspect special arrangements would need to be made similar to the ARRL's for broadcasting their code practice & such.

Patrick  
KB8PYM

Yes, I could be wrong, but please don't tell me - I KNOW the world is flat!

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End of Ham-Digital Digest V94 #284

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